

Converting Colors

$Y_{xy}(70.5175, 0.2760, 0.3235)$

Have a look what the booklet for
Yxy(70.5175, 0.2760, 0.3235)
contains.

Yxy(70.4840, 0.2757, 0.3231)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.4840, 0.2757, 0.3231)

Conversions

Conversions Part 1

Format	Color
Hex	AFE4E9
RGB	175, 228, 233
RGB Percent	69%, 89%, 91%
CMY	0.3134, 0.1059, 0.0863
CMYK	0.25, 0.02, 0.00, 0.09
HSL	185°, 57%, 80%
HSV	185°, 25%, 91%
XYZ	60.1437, 70.4840, 87.5215
YIQ	212.7230, -33.1930, -9.6810

Conversions

Conversions Part 2

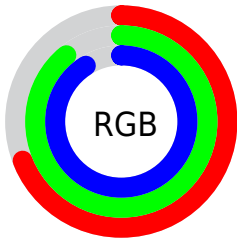
Format	Color
R_{YB}	175, 203, 233
Decimal	11527401
CIE _{Lab}	87.23, -15.71, -7.97
CIE _{LCh}	87, 17.618, 206.892
Yxy	70.4840, 0.2757, 0.3231
Android (android.graphics.Color)	4289717481 (0xFFAFE4E9)
YUV	212.7230, 9.9966, -33.0831
Hunter-Lab	83.9547, -19.0465, -3.0405

Details

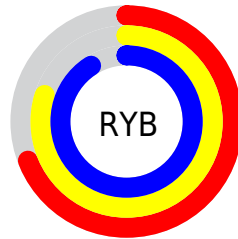
The Yxy color **70.4840, 0.2757, 0.3231** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.1018, 0.3637, 0.3348**, and the grayscale version is **66.3054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **37.1264, 0.2674, 0.3228** is the 20% darker color. If you saturate the color by 10%, you get **66.9156, 0.2624, 0.3204**, and if you desaturate by 10%, it is **74.5363, 0.2901, 0.3256**.

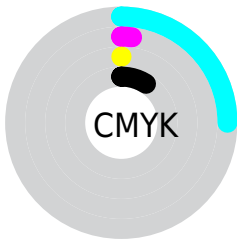
Distribution



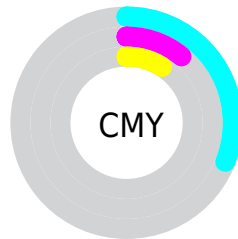
- Red (69%)
- Green (89%)
- Blue (91%)



- Red (69%)
- Yellow (80%)
- Blue (91%)



- Cyan (25%)
- Magenta (2%)
- Yellow (0%)
- Black (9%)




- Cyan (31%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.4840, 0.2757, 0.3231 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 70.4840, 0.2757, 0.3231 by changing the saturation by 10% instead.


 70.4840, 0.2757,
0.3231

 70.4840, 0.2757,
0.3231

462.2476, 0.2927,
0.3261

 51.9212, 0.2718,
0.3224


 119.8987, 0.2816,
0.3242

 36.9423, 0.2671,
0.3214


151.5194, 0.2839,
0.3246

 25.1628, 0.2611,
0.3201

188.2616, 0.2859,
0.3249

 16.1984, 0.2532,
0.3184

230.5095, 0.2876,
0.3252

 9.6646, 0.2427,
0.3159

278.6477, 0.2891,
0.3255

 5.1772, 0.2276,
0.3119

333.0605, 0.2905,

 2.3516, 0.2045,

0.3257

0.3049

394.1324, 0.2917,
0.3259

0.8008, 0.1406,
0.2981

0.0000, 0.0000,
0.0000

70.4840, 0.2757,
0.3231

70.4840, 0.2757,
0.3231

66.9156, 0.2624,
0.3204

74.5363, 0.2901,
0.3256

63.7985, 0.2505,
0.3176

79.0860, 0.3052,
0.3279

61.1097, 0.2403,
0.3147

84.1569, 0.3208,
0.3301

58.8202, 0.2318,
0.3117

87.1613, 0.3275,
0.3320

■ 56.8978, 0.2254,
0.3087

■ 88.3286, 0.3273,
0.3340

■ 55.3047, 0.2208,
0.3057

■ 89.5089, 0.3271,
0.3360

■ 53.9948, 0.2180,
0.3028

■ 90.7024, 0.3269,
0.3379

■ 53.3940, 0.2170,
0.3013

■ 91.9092, 0.3267,
0.3399

■ 93.1292, 0.3265,
0.3418

Harmonies

Analogous

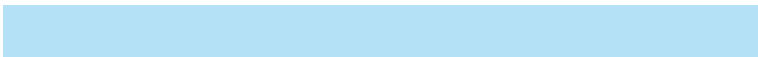
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.4840, 0.2890, 0.3432



70.4840, 0.2757, 0.3231



70.4840, 0.2720, 0.3055

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.4840, 0.2757, 0.3231



70.4840, 0.3154, 0.3009



70.4840, 0.3474, 0.3632

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



70.4840, 0.2757, 0.3231



53.1018, 0.3637, 0.3348

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.4840, 0.3552, 0.3505



70.4840, 0.2757, 0.3231



70.4840, 0.3364, 0.3150

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.4840, 0.2757, 0.3231



70.4840, 0.2943, 0.2936



70.4840, 0.3511, 0.3329



70.4840, 0.3303, 0.3669

Rectangle

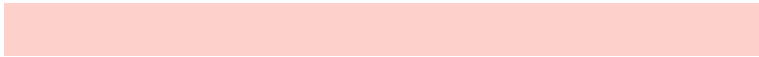
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.4840, 0.2757, 0.3231



70.4840, 0.2753, 0.2976



70.4840, 0.3511, 0.3329



70.4840, 0.3512, 0.3598

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



70.4869, 0.2757, 0.3231



95.7894, 0.3018, 0.3275



70.6911, 0.3065, 0.3935



20.4283, 0.3009, 0.3273



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.4869, 0.2757, 0.3231



84.1155, 0.2685, 0.3217



55.9526, 0.2727, 0.2885



16.8860, 0.2981, 0.3269



30.3903, 0.2172, 0.3017



2.4520, 0.2183, 0.3058

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



53.6169, 0.3196, 0.2722



60.1013, 0.3212, 0.2600



65.9569, 0.3562, 0.3664



15.2900, 0.3151, 0.3078



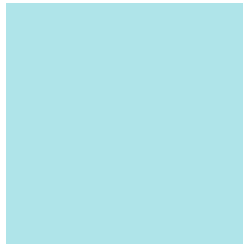
12.5607, 0.3439, 0.1668



0.9929, 0.3403, 0.1649

Previews

White Background



This preview shows how the Yxy color 70.4840, 0.2757, 0.3231 looks on a white background.

Color Contrast Check

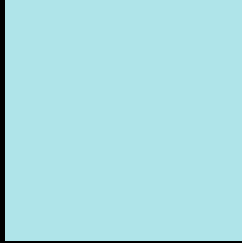
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 70.4840, 0.2757, 0.3231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

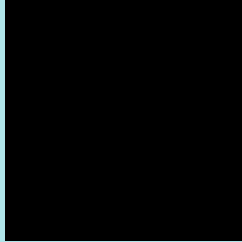
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.4840, 0.2757, 0.3231

Background



This preview shows how black text looks on a background with the Yxy color 70.4840, 0.2757, 0.3231.

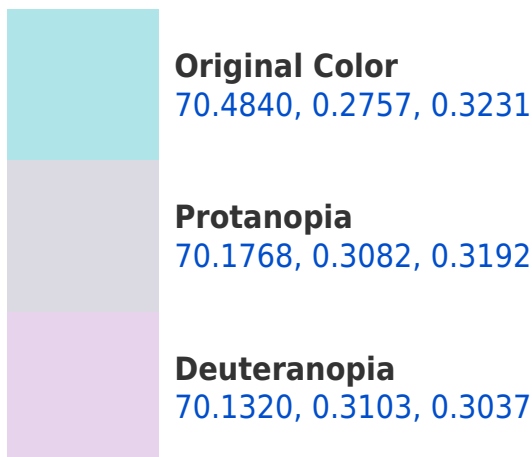


This preview shows how white text looks on a background with the Yxy color 70.4840, 0.2757, 0.3231.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia

70.2715, 0.2706, 0.3084

Trichromacy



Original Color

70.4840, 0.2757, 0.3231

Protanomaly

70.0666, 0.2952, 0.3200

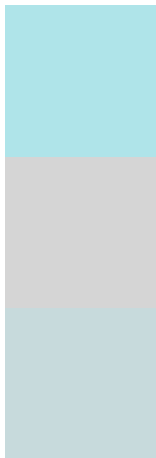
Deuteranomaly

69.9898, 0.2968, 0.3104

Tritanomaly

70.4595, 0.2723, 0.3140

Monochromacy



Original Color

70.4840, 0.2757, 0.3231

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.4522, 0.2981, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4840, 0.2757, 0.3231 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(175, 228, 233)` looks like.

```
.text, #text, p{  
    color:rgb(175, 228, 233)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(175, 228, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 228, 233) }
```

Border

The CSS property to change the border of an element to Yxy 70.4840, 0.2757, 0.3231 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 228, 233) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(175, 228, 233) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(175, 228, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 228, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 228, 233);  
box-shadow:4px 4px 4px 4px rgb(175, 228,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4840, 0.2757, 0.3231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 228, 233) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(175,  
228, 233) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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